

ABSTRACT OF THE DISCLOSURE:

Spherical tetragonal barium titanate particles of the present invention have a perovskite crystal structure, an average particle diameter of 0.05 to 0.5  $\mu\text{m}$ , a particle size distribution  $\sigma_g$  of not less than 0.70, and a ratio of Ba to Ti of 0.99:1 to 1.01:1. The spherical tetragonal barium titanate particles exhibit an excellent dispersibility as well as a high denseness, a high purity and excellent permittivity properties.